OIPE IAP57
SEP 29 2005
PATENT & TRADEMARK OFFICE

Appl. No. : 10/080,676; Filed: February 25, 2002
Dkt No.: 1875.1980000; Group Unit: 2143
Inventors: ANDERSON, IV *et al.*; Tel. No.: 202-371-2600
For: **System, Method and Computer Program Product for Caching Domain Name System Information on a Network Gateway**

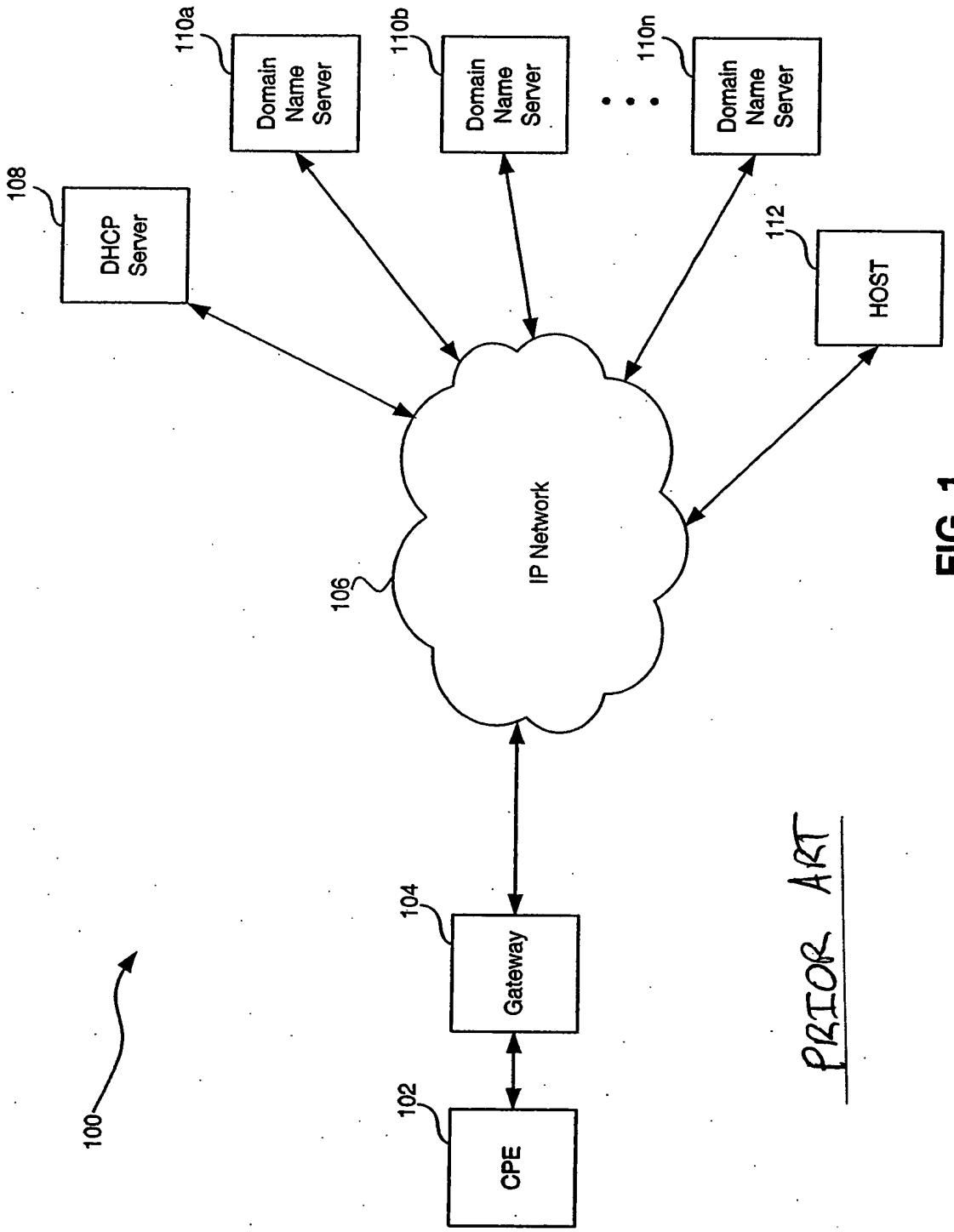

FIG. 1

PRIOR ART

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700

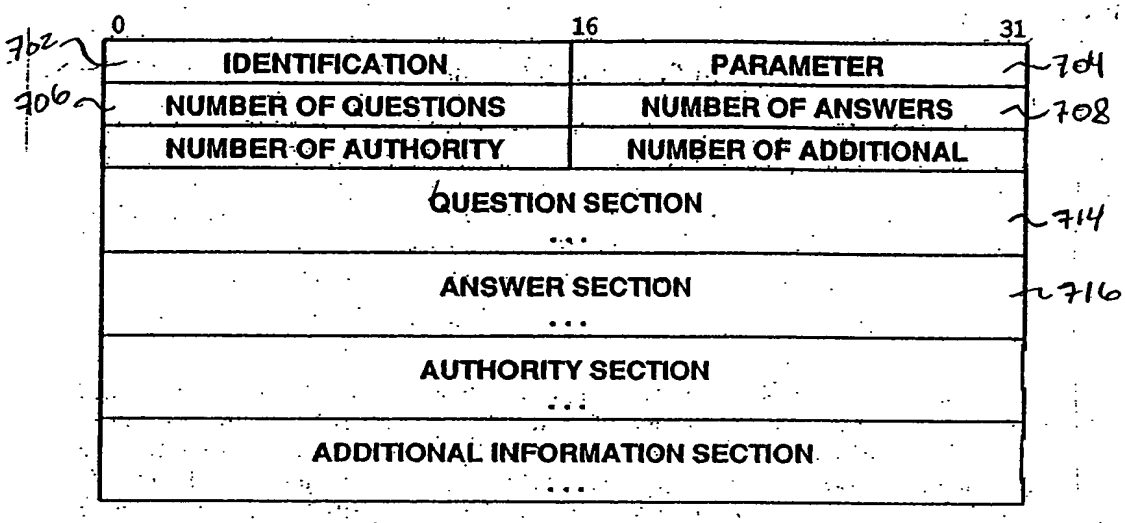

FIG. 7A

730

Bit of PARAMETER field	Meaning
0	Operation: 0 Query 1 Response
1-4	Query Type: 0 Standard 1 Inverse 2 Completion 1 (now obsolete) 3 Completion 2 (now obsolete)
5	Set if answer authoritative
6	Set if message truncated
7	Set if recursion desired
8	Set if recursion available
9-11	Reserved
12-15	Response Type: 0 No error 1 Format error in query 2 Server failure 3 Name does not exist

FIG. 7B

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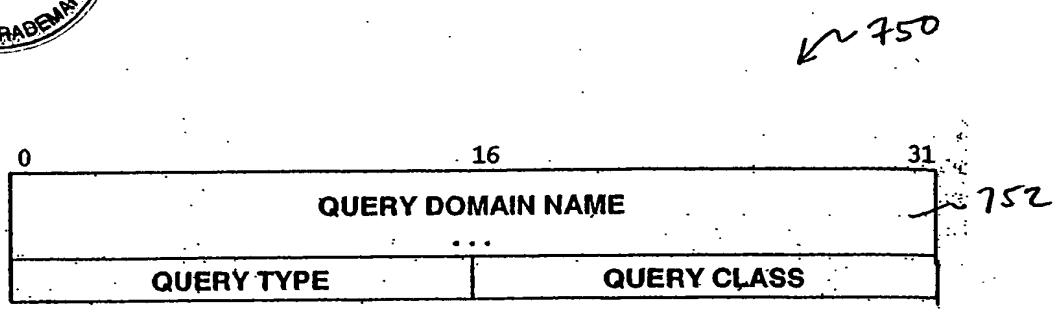

FIG. 7C

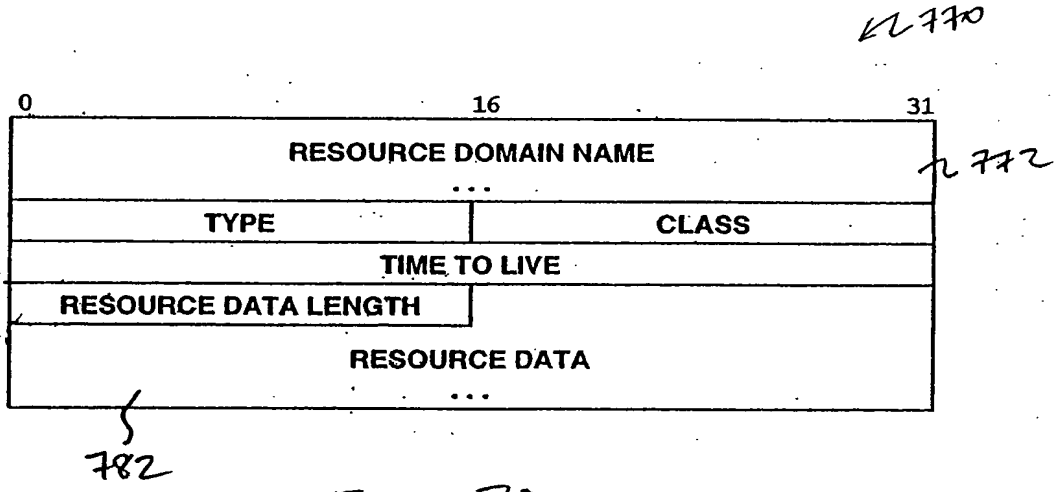

FIG. 7D